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NEWS 7 Apr 22 BIOSIS Gene Names now available in TOXCENTER
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NEWS 17 Aug 08 PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18 Aug 08 NTIS has been reloaded and enhanced
NEWS 19 Aug 09 JAPIO to be reloaded August 18, 2002

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=> s oxoacid(w)dehydrogenase and clone?

L1 24 OXOACID(W) DEHYDROGENASE AND CLONE?

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=> d l2 1-10

L2 ANSWER 1 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 1
AN 2002233080 EMBASE

TI Novel triple expression hybrid **clone** from human sources for the
detection of M2 antibodies.

AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.

CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital,
Second Military Medical University, Shanghai 200003, China.
rqzhong@guomai.sh.cn

SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).

Refs: 9

ISSN: 1443-9611 CODEN: CJDDA

CY Australia

DT Journal; Article

FS 026 Immunology, Serology and Transplantation

029 Clinical Biochemistry

048 Gastroenterology

LA English

SL English

L2 ANSWER 2 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.

AN 2002:140697 BIOSIS

DN PREV200200140697

TI Autoreactive T cell **clones** in patients with primary biliary
cirrhosis: Evidence of cross-reactivity with E. coli OGDC-E2 and human
mitochondrial autoantigens.

AU Tanimoto, Hironori (1); Shimoda, Shinji (1); Kawano, Satoshi (1);
Nakamura, Minoru (1); Hayashida, Kazuhiro (1); Gershwin, M. Eric;
Ishibashi, Hiromi

CS (1) First Department of Internal Medicine, Faculty of Medicine, Kyushu
University, Fukuoka Japan

SO Hepatology, (October, 2001) Vol. 34, No. 4 Pt. 2, pp. 366A.

<http://hepatology.aasldjournals.org/scripts/om.dll/serve?action=searchDB&searchDBfor=home&id=jhep>. print.

Meeting Info.: 52nd Annual Meeting and Postgraduate Courses of the
American Association for the Study of Liver Diseases Dallas, Texas, USA
November 09-13, 2001

ISSN: 0270-9139.

DT Conference

LA English

L2 ANSWER 3 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 2000078300 EMBASE
 TI Isolation and characterization of cDNA clones for the E1.beta.
 and E2 subunits of the branched-chain .alpha.-ketoacid dehydrogenase
 complex in Arabidopsis.
 AU Fujiki Y.; Sato T.; Ito M.; Watanabe A.
 CS A. Watanabe, Department of Biological Sciences, Graduate School of
 Science, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.
 watanabe@biol.s.u-tokyo.ac.jp
 SO Journal of Biological Chemistry, (2000) 275/8 (6007-6013).
 Refs: 57
 ISSN: 0021-9258 CODEN: JBCHA3
 CY United States
 DT Journal; Article
 FS 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 4 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.DUPLICATE 2
 AN 2000134073 EMBASE
 TI The peculiar autoimmunity of primary biliary cirrhosis.
 AU Mackay I.R.; Whittingham S.; Fida S.; Myers M.; Ikuno N.; Gershwin M.E.;
 Rowley M.J.
 CS I.R. Mackay, Dept.of Biochemistry/Molecular Biol., Monash University,
 Clayton, Vic. 3800, Australia. ian.mackay@med.monash.edu.au
 SO Immunological Reviews, (2000) 174/- (226-237).
 Refs: 65
 ISSN: 0105-2896 CODEN: IMRED2
 CY Denmark
 DT Journal; General Review
 FS 006 Internal Medicine
 017 Public Health, Social Medicine and Epidemiology
 026 Immunology, Serology and Transplantation
 048 Gastroenterology
 LA English
 SL English

L2 ANSWER 5 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 1999090078 EMBASE
 TI cDNA sequencing of branched chain 2-oxo acid dehydrogenase complex
 (BCOADC)-E2 in Japanese patients with primary biliary cirrhosis.
 AU Miyakawa H.; Kawaguchi N.; Katayama K.; Noyama T.; Kitazawa E.; Kikuchi
 K.; Fujikawa H.; Abe K.; Kako M.
 CS H. Miyakawa, Fourth Dept. of Internal Medicine, Teikyo University School
 of Medicine, 3-8-3 Mizonokuchi, Takatsu-ku, Kawasaki-shi, Kanagawa
 213-8507, Japan
 SO Hepatology Research, (1999) 14/1 (70-77).
 Refs: 21
 ISSN: 0928-4346 CODEN: HPRSFM
 PUI S 1386-6346(98)00107-7
 CY Ireland
 DT Journal; Article
 FS 048 Gastroenterology
 LA English
 SL English

L2 ANSWER 6 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 1998073256 EMBASE
 TI Characterization of antimitochondrial antibodies in healthy adults.
 AU Mattalia A.; Quaranta S.; Leung P.S.C.; Bauducci M.; Van De Water J.;
 Calvo P.L.; Danielle F.; Rizzetto M.; Ansari A.; Coppel R.L.; Rosina F.;
 Gershwin M.E.

CS Dr. M.E. Gershwin, Div. of Rheumatology, Allergy, Clinical Immunology,
University of California Davis, One Shields Avenue, Davis, CA 95616,
United States
SO Hepatology, (1998) 27/3 (656-661).
Refs: 28
ISSN: 0270-9139 CODEN: HPTLD
CY United States
DT Journal; Article
FS 048 Gastroenterology
LA English
SL English

L2 ANSWER 7 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1998:229341 CAPLUS
DN 128:281558
TI The association between autoantibodies to enzyme and diseases. With
special reference to antibodies to pyruvate dehydrogenase complex (PDH)
AU Moteki, Sekio; Amaki, Shuichi; Nakano, Eiji
CS Sch. Med., Nihon Univ., Tokyo, 173-8610, Japan
SO Rinsho Byori (1998), 46(4), 317-323
CODEN: RBYOAI; ISSN: 0047-1860
PB Rinsho Byori Kankokai
DT Journal; General Review
LA Japanese

L2 ANSWER 8 OF 20 CAPLUS COPYRIGHT 2002 ACS
AN 1998:42413 CAPLUS
DN 128:127076
TI Recombinant fusion protein comprising PDC-E2, BCOADC-E2, and OGDC-E2 and
uses thereof
IN Gershwin, Eric; Leung, Patrick; Coppel, Ross
PA Gershwin, Eric, USA; Leung, Patrick; Coppel, Ross
SO PCT Int. Appl., 53 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 9749720	A1	19971231	WO 1997-US11016	19970624
	W: AU, CA, JP				
	RW: AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE				
	AU 9735029	A1	19980114	AU 1997-35029	19970624
	AU 717738	B2	20000330		
PRAI	US 1996-14719		19960624		
	WO 1997-US11016		19970624		

L2 ANSWER 9 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 97184643 EMBASE
DN 1997184643
TI Molecular characterization of the mde operon involved in L-methionine
catabolism of Pseudomonas putida.
AU Inoue H.; Inagaki K.; Eriguchi S.-I.; Tamura T.; Esaki N.; Soda K.; Tanaka
H.
CS H. Tanaka, Department of Bioresources Chemistry, Faculty of Agriculture,
Okayama University, Tsushima-naka 1-1-1, Okayama-shi, Okayama 700, Japan.
htanaka@cc.okayama-u.ac.jp
SO Journal of Bacteriology, (1997) 179/12 (3956-3962).
Refs: 43
ISSN: 0021-9193 CODEN: JOBAAY
CY United States
DT Journal; Article
FS 004 Microbiology
LA English

SL English

L2 ANSWER 10 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 97137748 EMBASE
 DN 1997137748
 TI Characterization of the mouse dihydrolipoamide dehydrogenase (Dld) gene: Genomic structure, promoter sequence, and chromosomal localization.
 AU Johnson M.; Yang H.-S.; Johanning G.L.; Patel M.S.
 CS M.S. Patel, Department of Biochemistry, Sch. of Medicine/Biomedical Sciences, State University of New York, 3435 Main Street, Buffalo, NY 14214, United States
 SO Genomics, (1997) 41/3 (320-326).
 Refs: 32
 ISSN: 0888-7543 CODEN: GNMCEP
 CY United States
 DT Journal; Article
 FS 022 Human Genetics
 LA English
 SL English

=> s l2 and E1?

L3 8 L2 AND E1?

=> s l3 and E2

'E2' NOT FOUND

The E# entered is not currently defined.

=> s l3 and E2?

L4 4 L3 AND E2?

=> d l4 1-4

L4 ANSWER 1 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 2002233080 EMBASE
 TI Novel triple expression hybrid **clone** from human sources for the detection of M2 antibodies.
 AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.
 CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital, Second Military Medical University, Shanghai 200003, China.
 rqzhong@guomai.sh.cn
 SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).
 Refs: 9
 ISSN: 1443-9611 CODEN: CJDDA
 CY Australia
 DT Journal; Article
 FS 026 Immunology, Serology and Transplantation
 029 Clinical Biochemistry
 048 Gastroenterology
 LA English
 SL English

L4 ANSWER 2 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 2000078300 EMBASE
 TI Isolation and characterization of cDNA **clones** for the **E1** .beta. and **E2** subunits of the branched-chain .alpha.-ketoacid dehydrogenase complex in Arabidopsis.
 AU Fujiki Y.; Sato T.; Ito M.; Watanabe A.
 CS A. Watanabe, Department of Biological Sciences, Graduate School of Science, University of Tokyo, Hongo, Bunkyo-ku, Tokyo 113-0033, Japan.
 watanabe@biol.s.u-tokyo.ac.jp
 SO Journal of Biological Chemistry, (2000) 275/8 (6007-6013).
 Refs: 57
 ISSN: 0021-9258 CODEN: JBCHA3

CY United States
 DT Journal; Article
 FS 029 Clinical Biochemistry
 LA English
 SL English

L4 ANSWER 3 OF 4 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 96154999 EMBASE
 DN 1996154999
 TI Molecular aspects and the pathological basis of primary biliary cirrhosis.
 AU Leung P.S.C.; Van der Water J.; Coppel R.L.; Nakanuma Y.; Munoz S.;
 Gershwin M.E.
 CS Division of Rheumatology, University of California, Davis, CA 95616, United
 States
 SO Journal of Autoimmunity, (1996) 9/2 (119-128).
 ISSN: 0896-8411 CODEN: JOAUEP
 CY United Kingdom
 DT Journal; General Review
 FS 005 General Pathology and Pathological Anatomy
 026 Immunology, Serology and Transplantation
 048 Gastroenterology
 LA English
 SL English

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:150410 CAPLUS
 DN 110:150410
 TI Comparison of the amino acid sequences of the transacylase components of
 branched chain **oxoacid dehydrogenase** of *Pseudomonas*
putida, and the pyruvate and 2-oxoglutarate dehydrogenases of *Escherichia*
coli
 AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.
 CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA
 SO Eur. J. Biochem. (1988), 176(1), 165-9
 CODEN: EJBCAI; ISSN: 0014-2956
 DT Journal
 LA English

=> d 14 4 ab

L4 ANSWER 4 OF 4 CAPLUS COPYRIGHT 2002 ACS
 AB The nucleotide sequence of gene *bkdB*, the structural gene for **E2b**
 (lipoate isobutyryltransferase), the transacylase component of
 branched-chain **oxoacid dehydrogenase** (I) of *P. putida*,
 was detd. and translated into its amino acid sequence. The start of *bkdB*
 was identified from the N-terminal sequence of **E2b** isolated from
 I of the closely related species, *P. aeruginosa*. The reading frame was
 composed of 65.5% (guanine + cytosine) with 82.3% of the codons ending in
 guanine or cytosine. There was no intergenic space between genes *bkdA2*
 and *bkdB*. No codons requiring minor tRNAs were utilized and the codon
 bias index indicated a preferential codon usage. The *bkdB* gene encoded
 423 amino acids although the N-terminal methionine was absent from
E2b prepd. from *P. aeruginosa*. The relative mol. wt. of the
 encoded protein was 45,134 (45,003 for I minus methionine) vs., 47,000
 obtained by SDS-PAGE. There was a single domain in **E2b** compared
 to 3 lipoyl domains in **E2p**, and 1 domain in **E2o**, the
 transacylases of pyruvate and oxoglutarate dehydrogenases of *E. coli*,
 resp. There was significant similarity between the lipoyl domain of
E2b and that of **E2p** and **E2o** as well as between
 the **E1-E2** binding domains of **E2b**,
E2p, and **E2o**. There was no similarity between the E3
 binding domain of **E2b** to **E2p** and **E2o** which
 may reflect the uniqueness of the E3 component of I of *P. putida*. The

conclusions drawn from these comparisons are that the transacylases of prokaryotic I, and pyruvate and oxoglutarate dehydrogenases descended from a common ancestral protein probably at about the same time.

=> d 13 11-20

8 ANSWERS ARE AVAILABLE. SPECIFIED ANSWER NUMBER EXCEEDS ANSWER SET SIZE
The answer numbers requested are not in the answer set.

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several answer numbers, Example: 3,7,10
a range of answer numbers, Example: 5-10
or a combination of these. Example: 3,7,9-10,15

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L3 ANSWER 1 OF 8 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 2002233080 EMBASE
TI Novel triple expression hybrid clone from human sources for the
detection of M2 antibodies.
AU Jiang X.H.; Zhong R.Q.; Fan L.Y.; Hu Y.; Li W.W.; Cao L.N.; Kong X.T.
CS R.Q. Zhong, People's Liber. Army Clin. Immun Ctr, Changzheng Hospital,
Second Military Medical University, Shanghai 200003, China.
rqzhong@guomai.sh.cn
SO Chinese Journal of Digestive Diseases, (2002) 3/2 (65-69).
Refs: 9
ISSN: 1443-9611 CODEN: CJDDA
CY Australia
DT Journal; Article
FS 026 Immunology, Serology and Transplantation
029 Clinical Biochemistry
048 Gastroenterology
LA English
SL English

=> d 12 11-20

L2 ANSWER 11 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.DUPLICATE
3
AN 1996:523223 BIOSIS
DN PREV199699245579
TI Purification and characterization of two components of epoxypropane
isomerase/carboxylase from Xanthobacter Py2.
AU Chan Kwo Chion, Chan K. N.; Leak, David J. (1)
CS (1) Dep. Biochem., Imperial Coll., London SW7 2AY UK
SO Biochemical Journal, (1996) Vol. 319, No. 2, pp. 499-506.
ISSN: 0264-6021.
DT Article
LA English

L2 ANSWER 12 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
AN 96154999 EMBASE
DN 1996154999
TI Molecular aspects and the pathological basis of primary biliary cirrhosis.
AU Leung P.S.C.; Van der Water J.; Coppel R.L.; Nakanuma Y.; Munoz S.;
Gershwin M.E.
CS Division of Rheumatology, University of California, Davis, CA 95616, United
States
SO Journal of Autoimmunity, (1996) 9/2 (119-128).
ISSN: 0896-8411 CODEN: JOAUEP
CY United Kingdom
DT Journal; General Review

FS 005 General Pathology and Pathological Anatomy
 026 Immunology, Serology and Transplantation
 048 Gastroenterology
 LA English
 SL English

L2 ANSWER 13 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 95280733 EMBASE
 DN 1995280733
 TI Mammalian .alpha.-keto acid dehydrogenase complexes: Gene regulation and genetic defects.
 AU Patel M.S.; Harris R.A.
 CS Department of Biochemistry, 140 Farber Hall, State University of New York, 3435 Main St., Buffalo, NY 14214, United States
 SO FASEB Journal, (1995) 9/12 (1164-1172).
 ISSN: 0892-6638 CODEN: FAJOEC
 CY United States
 DT Journal; General Review
 FS 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 14 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 95250640 EMBASE
 DN 1995250640
 TI The cDNA encoding canine dihydrolipoamide dehydrogenase contains multiple termination signals.
 AU Martins A.S.; Greene L.J.; Yoho L.; Milsted A.
 CS Department of Biology, The University of Akron, Akron, OH 44325-3908, United States
 SO Gene, (1995) 161/2 (253-257).
 ISSN: 0378-1119 CODEN: GENED6
 CY Netherlands
 DT Journal; Article
 FS 022 Human Genetics
 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 15 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 93120422 EMBASE
 DN 1993120422
 TI Characterization of the promoter-regulatory region and structural organization of E1.alpha. gene (BCKDHA) of human branched-chain .alpha.-keto acid dehydrogenase complex.
 AU Chuang J.L.; Cox R.P.; Chuang D.T.
 CS Department of Biochemistry, Texas University SW Medical Center, Dallas, TX 75235, United States
 SO Journal of Biological Chemistry, (1993) 268/11 (8309-8316).
 ISSN: 0021-9258 CODEN: JBCHA3
 CY United States
 DT Journal; Article
 FS 022 Human Genetics
 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 16 OF 20 BIOSIS COPYRIGHT 2002 BIOLOGICAL ABSTRACTS INC.
 AN 1993:482741 BIOSIS
 DN PREV199396116341
 TI Identification of the formate dehydrogenases and genetic determinants of formate-dependent nitrite reduction by Escherichia coli K12.
 AU Darwin, A.; Tormay, P.; Page, L.; Griffiths, L.; Cole, J. (1)
 CS (1) Sch. Biochemistry, Univ. Birmingham, Birmingham B15 2TT UK

SO Journal of General Microbiology, (1993) Vol. 139, No. 8, pp. 1829-1840.
 ISSN: 0022-1287.
 DT Article
 LA English

L2 ANSWER 17 OF 20 EMBASE COPYRIGHT 2002 ELSEVIER SCI. B.V.
 AN 93231307 EMBASE
 DN 1993231307
 TI The structure of the human dihydrolipoamide dehydrogenase gene (DLD) and
 its upstream elements.
 AU Feigenbaum A.S.; Robinson B.H.
 CS Hospital for Sick Children, 555 University Avenue, Toronto, Ont. M5G 1X8,
 Canada
 SO Genomics, (1993) 17/2 (376-381).
 ISSN: 0888-7543 CODEN: GNMCEP
 CY United States
 DT Journal; Article
 FS 022 Human Genetics
 029 Clinical Biochemistry
 LA English
 SL English

L2 ANSWER 18 OF 20 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:491332 CAPLUS
 DN 111:91332
 TI Sequence analysis of the lpdV gene for lipoamide dehydrogenase of
 branched-chain-**oxoacid dehydrogenase** of Pseudomonas
 putida
 AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.
 CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA
 SO Eur. J. Biochem. (1989), 179(1), 61-9
 CODEN: EJBCAI; ISSN: 0014-2956
 DT Journal
 LA English

L2 ANSWER 19 OF 20 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:186867 CAPLUS
 DN 110:186867
 TI Similarity of the E1 subunits of branched-chain-**oxoacid**
dehydrogenase from Pseudomonas putida to the corresponding
 subunits of mammalian branched-chain-oxoacid and pyruvate dehydrogenases
 AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Idriss, John M.; Sokatch,
 John R.
 CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA
 SO Eur. J. Biochem. (1988), 176(2), 311-17
 CODEN: EJBCAI; ISSN: 0014-2956
 DT Journal
 LA English

L2 ANSWER 20 OF 20 CAPLUS COPYRIGHT 2002 ACS
 AN 1989:150410 CAPLUS
 DN 110:150410
 TI Comparison of the amino acid sequences of the transacylase components of
 branched chain **oxoacid dehydrogenase** of Pseudomonas
 putida, and the pyruvate and 2-oxoglutarate dehydrogenases of Escherichia
 coli
 AU Burns, Gayle; Brown, Tracy; Hatter, Kenneth; Sokatch, John R.
 CS Health Sci. Cent., Univ. Oklahoma, Oklahoma City, OK, 73190, USA
 SO Eur. J. Biochem. (1988), 176(1), 165-9
 CODEN: EJBCAI; ISSN: 0014-2956
 DT Journal
 LA English